

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Previously Presented) In a wireless communications network that supports Broadcast-Multicast (BCMC) Services (BCMCS), a method comprising the steps of:

transmitting at least one differential BCMC Services Parameters Messages (BSPM) containing updated information for one or more existing BCMC flows and information for one or more new BCMC flows; and

transmitting a sequence of plural partial BSPMs, each partial BSPM containing information for one or more different BCMC flows, the sequence of plural partial BSPMs together containing information for all existing BCMC flows.

2. (Previously Presented) The method of claim 1 wherein at least one of the differential or partial BSPM is used to page one or more mobile terminals at the start of the BCMC flow or to end the BCMC flow.

3. (Previously Presented) The method of claim 1 wherein at least one of the differential or partial BSPM is used in place of a group page or to provide supplementary information to the group page.

4. (Previously Presented) The method of claim 1 wherein each of the BSPM includes an indication of whether it is the differential BSPM or the partial BSPM.

5. (Previously Presented) The method of claim 1 further comprising the step of:
transmitting a full BSPM containing information for all the existing BCMC flows, the full BSPM being transmitted less frequently than the differential or the partial BSPMs are transmitted.

6. (Previously Presented) The method of claim 5 wherein each of the BSPM includes an indication of whether it is the full BSPM, the differential BSPM, or the partial BSPM.

7. (Previously Presented) The method of claim 1 wherein the partial BSPM in the sequence of partial BSPMs includes at least one of an indication that it is the first partial BSPM in the sequence of partial BSPMs, and an indication that it is the last partial BSPM in the sequence of partial BSPMs.

8. (Previously Presented) The method of claim 1 wherein each of the partial BSPM includes an indication of its position in the sequence of partial BSPMs.

9. (Previously Presented) The method of claim 1 wherein each of the differential BSPM and partial BSPM includes a sequence number that is unique to the type of BSPM.

10. (Previously Presented) The method of claim 5 wherein each of the full BSPM, differential BSPM and partial BSPM includes a sequence number that is unique to the type of BSPM.

11. (Original) The method of claim 1 wherein the BSPM includes history information for previously transmitted BSPMs.

12 (Previously Presented) The method of claim 11 wherein the history information contains at least one of a sequence number for the previously transmitted BSPMs, and information for the flows that were included in those previously transmitted BSPMs.

13. (Currently Amended) In a wireless communications network that supports Broadcast-Multicast (BCMC) Services (BCMCS), a method comprising the steps of:

receiving a BCMC Services Parameters Messages (BSPM) together with an indication that the BSPM is: ~~(1) a full BSPM that contains information for all existing flows (2) a differential BSPM that contains at least one of updated information for one or more existing BCMC flows and information for one or more new BCMC flows or (3) a partial BSPM that is one in a sequence of plural partial BSPMs that the partial BSPM contain information for one or more different BCMC flows and wherein the sequence of plural partial BSPMs together contains information for all existing BCMC flows.~~

14. (Currently Amended) The method of claim 13 further comprising ~~the steps of:~~
~~if the received BSPM is the full BSPM, deleting stored BCMC flow information and replacing it with the flow information contained in the full BSPM;~~

~~if the received BSPM is the differential BSPM, replacing the stored BCMC flow information with updated flow information contained in the differential BSPM or adding and storing information for a new flow contained in the received differential BSPM; and~~

~~if the received BSPM is [[a]] the partial BSPM,~~ replacing the stored BCMC flow information with updated flow information contained in the partial BSPM.

15. (Currently Amended) The method of claim 14 further comprising ~~the steps of:~~
~~if the received BSPM is the partial BSPM,~~ determining whether if the received BSPM is the partial BSPM is the last in the sequence of partial BSPMs, and if it is the last in the sequence of partial BSPMs, deleting the stored BCMC flow information that have not been updated or added in the sequence of BSPMs.

16. (Currently Amended) The method of claim 14 wherein the received partial BSPM also contains a sequence number that is unique to the type of received BSPM, the method further comprising the step of determining from the sequence number in the received partial BSPM whether a previous BSPM has not been received.

17. (Currently Amended) The method of claim 16 wherein if it is determined that the previous partial BSPM has not been received, deleting the stored information for all flows.

18. (Currently Amended) The method of claim 16 wherein if it is determined that the previous partial BSPM has not been received, continuing to use the information for flows contained in the received partial BSPM and previously stored information.

19. (Currently Amended) The method of claim 16 wherein if it is determined that the previous partial BSPM has not been received, using history information contained in received partial BSPMs to update the flow information.

20. (Previously Presented) In a wireless communications network, a method comprising:

transmitting a differential overhead message containing at least one of updated parameters for services provided by the network and parameters for new services being provided by the network; and

transmitting a sequence of partial overhead messages, each partial overhead message containing parameters for one or more different services being provided by the network, the sequence of partial overhead messages together containing parameters for all the services provided by the network.

21. (Cancelled)

22. (Currently Amended) The method of claim 21 wherein each of the overhead messages include an indication ~~of whether it is the full overhead message, the differential overhead message, or~~ that it is the partial overhead message.

23. (Currently Amended) In a wireless communications network, a method comprising the steps of:

receiving an overhead message together with an indication that the overhead message is:
~~(1) a full overhead message that contains parameters information for all services being provided by the network (2) a differential overhead message that contains at least one of updated parameters for one or more existing services being provided by the network and parameters for one or more new services being provided by the network or (3) a partial overhead message that is~~

one in a sequence of plural partial overhead messages that the partial overhead contains parameters for one or more different services being provided by the network and wherein the sequence of plural partial overhead messages together contains parameters for all existing services being provided.

24. (Currently Amended) The method of claim 23 further comprising ~~the steps of:~~

~~if the received overhead message is the full overhead message, deleting stored parameters for each service being provided by the network and replacing them with the parameters contained in the full overhead message;~~

~~if the received overhead message is the differential overhead message, replacing the stored parameters with updated parameters contained in the differential overhead message or adding and storing parameters for a new service contained in the received differential overhead message; and~~

~~if the received overhead message is the partial overhead message, replacing the stored parameters with updated parameters contained in the partial overhead message.~~

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END OF CLAIM LISTING

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